

1     **CLAIMS**

2           1.     A method comprising:

3                 receiving a request, from a requestor, for a password to be used by a device  
4     when communicating with a registration authority;  
5                 authenticating the requestor;  
6                 generating the password;  
7                 adding the password to a password table; and  
8                 returning the password to the requestor for use by the device.

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10          2.     A method as recited in claim 1, wherein the device comprises a  
11     router.

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13          3.     A method as recited in claim 1, wherein generating the password  
14     comprises generating a random number as the password.

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16          4.     A method as recited in claim 1, wherein receiving, authenticating,  
17     and returning include using Secure Sockets Layer (SSL) to maintain secure  
18     communication with the device.

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20          5.     A method as recited in claim 1, further comprising keeping the  
21     password active for a selected amount of time.

1           6.     A method as recited in claim 5, wherein keeping the password active  
2 for a selected amount of time comprises marking the password as invalid after the  
3 selected amount of time.

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5           7.     A method as recited in claim 5, wherein keeping the password active  
6 for a selected amount of time comprises removing the password from the  
7 password table after the selected amount of time.

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9           8.     A method as recited in claim 1, further comprising:  
10 receiving a request from the device, the request including a request  
11 password;  
12 checking whether the request password is included in the password table;  
13 and  
14 processing the request if the request password is included in the password  
15 table, otherwise rejecting the request.

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17           9.     A method as recited in claim 8, further comprising removing, if the  
18 request password is included in the password table, the request password from the  
19 password table.

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21           10.    One or more computer-readable media having stored thereon a  
22 plurality of instructions that, when executed by one or more processors, causes the  
23 one or more processors to perform acts comprising:  
24 receiving a request, from a requestor, for a password to be used by a device  
25 when communicating with a registration authority;

1 authenticating the requestor;  
2 generating the password;  
3 adding the password to a password table; and  
4 returning the password to the requestor for use by the device.  
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6 11. One or more computer-readable media as recited in claim 10,  
7 wherein the device comprises a router.  
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9 12. One or more computer-readable media as recited in claim 10,  
10 wherein generating the password comprises generating a random number as the  
11 password.  
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13 13. One or more computer-readable media as recited in claim 10,  
14 wherein receiving, authenticating, and returning include using Secure Sockets  
15 Layer (SSL) to maintain secure communication with the device.  
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17 14. One or more computer-readable media as recited in claim 10,  
18 wherein the plurality of instructions further cause the one or more processors to  
19 perform acts comprising keeping the password active for a selected amount of  
20 time.  
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22 15. One or more computer-readable media as recited in claim 14,  
23 wherein keeping the password active for a selected amount of time comprises  
24 marking the password as invalid after the selected amount of time.  
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1           16. One or more computer-readable media as recited in claim 14,  
2 wherein keeping the password active for a selected amount of time comprises  
3 removing the password from the password table after the selected amount of time.

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5           17. One or more computer-readable media as recited in claim 10,  
6 wherein the plurality of instructions further cause the one or more processors to  
7 perform acts comprising:

8           receiving a request from the device, the request including a request  
9 password;

10          checking whether the request password is included in the password table;  
11 and

12          processing the request if the request password is included in the password  
13 table, otherwise rejecting the request.

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15          18. One or more computer-readable media as recited in claim 17,  
16 wherein the plurality of instructions further cause the one or more processors to  
17 perform acts comprising removing, if the request password is included in the  
18 password table, the request password from the password table.

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20          19. A system comprising:

21          means for receiving a request, from a requestor, for a password to be used  
22 by a device when communicating with a registration authority;

23          means for authenticating the requestor;

24          means for generating the password;

25          means for adding the password to a password table; and

1 means for returning the password to the requestor for use by the device.  
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3 **20.** A system as recited in claim 19, wherein the device comprises a  
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